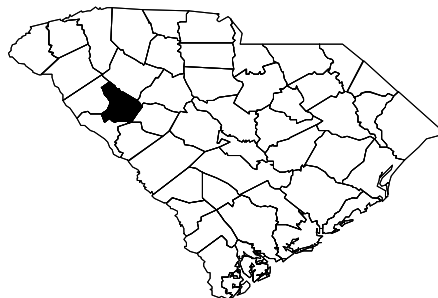


ASTHMA IN GREENWOOD County, 2003



Produced by the S.C. Department of Health and Environmental Control

August 2005

Impact of Asthma in the United States

- U.S Asthma cases more than tripled from an estimated 6.7 million to 21.9 million between 1980 and 2002.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$14 billion in 2001.
- An estimated 9 million (12.5%) U.S. Children are asthmatic, more than twice the entire population of South Carolina.
- 3,964 people died of asthma in 2003.

Asthma in South Carolina

- Currently about 190,000 adults and 91,000 children suffer from asthma in South Carolina, based on 2003 estimates.
- In 2003, 1.4% (7,671) of ALL hospitalizations were from asthma.
- Asthma claimed the lives of 71 South Carolinians in 2003.

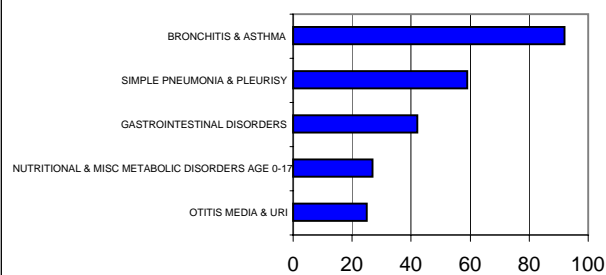
Impact of Asthma in Greenwood County

- About 3540 (7%, regional estimate) adults in Greenwood county suffer annually from asthma.
- In 2003, there were 122 hospitalizations for asthma in Greenwood county for all ages.

Children Suffer the Most from Asthma

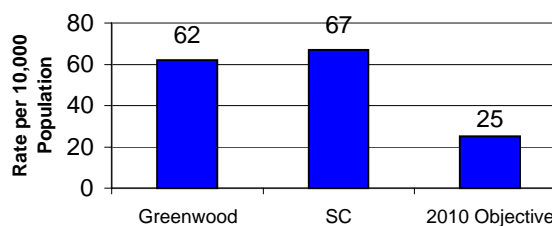
- Asthma/ Bronchitis is the leading cause of hospitalization in Greenwood county for children under the age of 18.

Leading Causes of Hospitalization in Children Ages 0-18 Greenwood County, 2003



- In 2003, there were 37 asthma hospitalizations of children (<18 years) in Greenwood county.
- Healthy People 2010 Objectives for asthma hospitalizations among children under age 5 years is 25 per 10,000 children. Greenwood county had a hospitalization rate of 62 per 10,000 children under the age of 5 in 2003, compared to South Carolina's 67 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-4, Greenwood County, 2003



Cost of Asthma

- \$285106 was charged in 2003 for hospital and ER visits in Greenwood county for asthmatic children (<18 years).
- Medicaid covered nearly 66% of these charges.

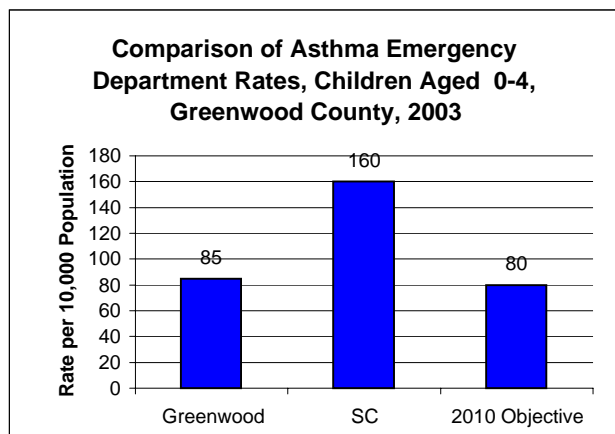
Percent Distribution of Asthma ER & Hospitalization Charges of Children Aged 0-18, Greenwood County, 2003



Total = \$285,106

Emergency Room

- 132 children under the age of 18 visited the ER due to asthma in Greenwood county in 2003. This represents 36% of all ER visits due to asthma.
- \$116612 was charged for ER visits in Greenwood county for asthmatic children (<18 years) in 2003.



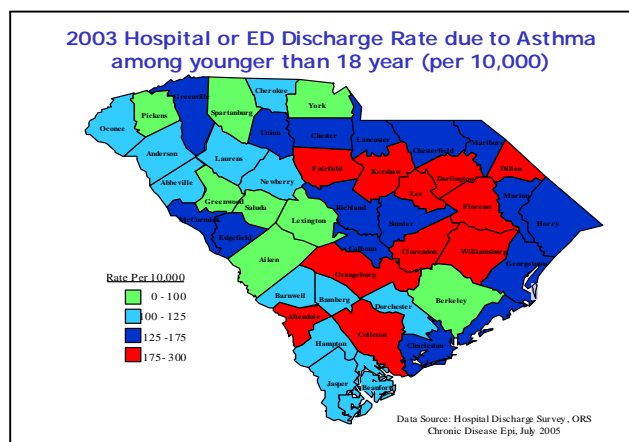
- Healthy People 2010 Objective for asthma related ER visits among children under the age 5 years old is 80 per 10,000 children.
- Greenwood county had an ER rate of 85 per 10,000 children under the age of 5 in 2003, compared to South Carolina's 160 per 10,000 children.



Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is twice as often as white children in Greenwood.

Hospital and Emergency Room Visits Rates per 10,000 Children (<18 years), 2003				
	Greenwood		South Carolina	
	White	Non-White	White	Non-White
Hospital	14.8	32.4	17.2	43.3
ER	36.5	139.8	54.6	187.6



For more information about asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Division of Biostatistics

(803) 896-5164

Vital Records

Division of Biostatistics

(803) 898-3649

Bureau of Air Quality

Outreach Section

(803) 898-4467

www.scdhec.net

Generated by:

Bureau of Community Health & Chronic Disease Prevention

Hospital discharges and ER visits, contact:

Office of Research and Statistics

SC Budget and Control Board

1919 Blanding Street

Columbia, SC 29201

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